PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXAI	MINING AUTHORITY				
To: RICHARD STRAUSSMAN MORGAN & FINNEGAN, L.L.P. 345 PARK AVENUE NEW YORK, NY 10154		PCT			
		WRITTEN OPINION			
			(PCT Rule 66)		
		Date of Mailing (day/month/year)	1 0 OCT 2006		
Applicant's or agent's file reference		REPLY DUE	1000.200		
Applicant 5 of agent 5 the reserves		within 2 months/days from			
4024-4012PC	International filing date		the above date of mailing Priority date (day/month/year)		
			29 June 2001 (29.06.2001)		
PCT/US02/22052 International Patent Classification (IPC) o	28 June 2002 (28.06.200 r both national classificat		29 June 2001 (29.00.2001)		
	T OOM MANORAL CLASSIFICATION				
IPC: G02B 6/38(2006.01) USPC: 385/39,59,71					
Applicant				ł	
XANOPTIX, INC.					
1. This written opinion is the firs	t (first, etc.) drawn by	this International Pro	eliminary Examining Authority.		
2. This opinion contains indication	ons relating to the followi	ng items:		!	
Z. This opinion contains increase	<u>.</u>				
I Basis of the opinio	n			, I	
II Priority					
III Non-establishment	of opinion with regard to	o novelty, inventive	step and industrial applicability		
		•	(11 11 00)		
IV Lack of unity of in			(Writt-OV-)		
V Reasoned statemen	nt under Rule 66.2 (a)(ii)	with regard to nove	Ity, inventive step or industrial applicability;	0	
	nations supporting such s	CV	SE 4024-4012 10 ATTY	K	
VI Certain documents			- Do and p. 10 2006		
VII Certain defects in	the international applicati	ion DUE	o call-up 9000		
VIII Certain observation	ns on the international ap	plication h	n, call-up		
3. The applicant is hereby invite	ed to roply to this opinion	n	BY M		
3. The applicant is hereby invited When? See the time li	mit indicated above. The	e applicant may, be	fore the expiration of that time limit, request		
this Authority	to grant an extension. So	ee rule 66.,2(d).			
How? By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. For the form and the language of the amendments, see Rules 66.8 and 66.9.					
Also For an additional opportunity to submit amendments, see Rule 66.4. For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4 bis. For an informal communication with the examiner, see Rule 66.6					
If no reply is filed, the intern	national preliminary exan	nination report will	be established on the basis of this opinion.		
4. The final date by which the international preliminary					
examination report must be established according to Rule 69.2 is: 29 October 2003 (29.10.2003)					
ame and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/ US Commissioner for Patents Authorized officer Jerry T Rahll					
Commissioner for Patents		Jerry T Rahll	ryus =	İ	
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. (571) 272-2356			

Facsimile No. (571) 273-3201
Form PCT/IPEA/408 (cover sheet)(July 1998)

DATE DITT BY

WRITTEN OPINION

International	application	No.	

PCT/US02/22052

I.	Basis of the opinion					
1.	With regard to the elements of the international application:*					
	the international application as originally filed the description: pages 1-25 and 32, as originally filed pages NONE, filed with the demand pages NONE, filed with the letter of					
	the claims: pages 26-31, as originally filed pages NONE, as amended (together with any statement) under Article 19 pages NONE, filed with the demand pages NONE, filed with the letter of					
	the drawings: pages 1-20, as originally filed pages NONE, filed with the demand pages NONE, filed with the letter of					
	the sequence listing part of the description: pages NONE, as originally filed pages NONE, filed with the demand pages NONE, filed with the letter of					
	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is: the language of a translation furnished for the purposes of international search (under Rule23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).					
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the written opinion was drawn on the basis of the sequence listing:					
	contained in the international application in printed form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.					
4.	the description, pages NONE the claims, Nos. NONE					
5	the drawings, sheets/fig NONE This opinion has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).					
*	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed."					

WRITTEN OPINION

International application No. PCT/US02/22052

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. STATEMENT					
Novelty (N)	Claims 2-4, 7, 9, 11-39	YES			
	Claims 1, 5, 6, 8, 10				

Inventive Step (IS)	Claims 2-4, 7, 9, 11-20, 22-39				
	Claims 1, 5, 6, 8, 10, 21	NO			
Industrial Applicability (IA)	Claims 1-39	YES			
	Claims NONE	NO			
2. CITATIONS AND EXPLANATIONS Please See Continuation Sheet					

· WRITTEN OPINION

International application No. PCT/US02/22052

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

TIME LIMIT:

The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examination Report.

V. 2. Citations and Explanations:

Claims 1, 5, 6, 8, and 10 lack novelty under PCT Article 33(2) as being anticipated by US Patent No 5,671,311 to Stillie et al.

Regarding Claim 1, Stillie et al. describes an apparatus (2) with an assembly of a set of slices (12, 14, 16, 18) having multiple through holes (see figure 2), where at least some of the through holes on adjoining slices are aligned with respect to each other to define a conduit (see Figure 1), and a transmission medium within the holes.

Regarding Claim 5, Stillie et al. describes the through holed on adjoining slices axially aligned to each other (see figure 1).

Regarding Claim 6, Stillie et al. describes the through holes as fiber holes (see Figure 1).

Regarding Claim 8, Stillie et al. describes the through holes as having straight sidewalls (see Figure 2).

Regarding Claim 10, Stillie et al. describes the device such that a cross-section of the assembly taken along a through hole axis shows the through holes collectively comprising a series of parallel conduits (see Figure 2).

Claim 21 lacks an inventive step under PCT Article 33(3) as being obvious over Stillie et al. Drilling is a well-known method of forming holes in thin pieces. Using such a method of forming the holes in the device of Stillie et a. involves no inventive step.

Claims 2-4, 7, 9, 11-20, and 22-24 the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the limitations of the claims.

Regarding Claims 2 and 25-36, the prior art does not describe epoxy on the holes of the slices.

Regarding Claims 3-4, the prior art does not describe a metal layer coating the periphery of the conduit.

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· WRITTEN OPINION

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